

VIRAJ JANEJA

CONTACT

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<https://virajjaneja.github.io>

COMPUTING SKILLS

GitHub Repo: <https://github.com/VirajJaneja>
Programming (Java, Python, HTML)
Foundations of Data Science
Data Preprocessing and Analysis
Microsoft office 365

EDUCATION

UMBC

Computer Science Path
2024-2028

Centennial High School, MD

2020-2024

-----Selected High school courses-----
Full GT/ AP Comp Sci Curriculum
Math up to CALC C - AP
Intern Mentor - AP
Discrete Math
Humanities 4 year Program
-----College Level courses-----

University of Maryland Baltimore County -
IS 147 - Introduction To Computer
Programming 2021

Johns Hopkins University- Center for
Talented Youth - Astrophysics 2018

SPORTS

Varsity Tennis

2022-Present

Junior Varsity Wrestling

2022-2023

Recreational: Muay Thai, Kickboxing

MUSICAL INSTRUMENTS

French Horn

2015-2021

Piano

2018-Present

LANGUAGES

English 
German 
Hindi 

OBJECTIVE

To graduate from UMBC with a 4-year degree in Computer Science, software development specifically.

PUBLICATIONS

Janeja V, Chen K, Exploring the Relationship between Neural and Physiological signals in an Immersive Virtual Buffet Environment, 2023 Academic Data Science Alliance Annual Meeting, October 24-27, 2023 at the University of Texas at San Antonio, <https://academicdatascience.org/2023-adsa-annual-schedule/>

WORK EXPERIENCE

Intern - Informatics for Human Flourishing Lab

University of Maryland Baltimore County - Mentor Dr. Karen Chen 2022-2024

Duties

- Preprocessed functional near-infrared spectroscopy(fNIRS) data
 - Delved specifically into the removal of motion artifacts
- Performed literature review for fNIRS to summarize the state of the art research
- Analyzed fNIRS data using Python programming in Jupyter Notebooks
- Assisting in writing a soon-to-be-published paper

Skills Learned

- The removal of motion artifacts
- Matplotlib (Python library)
- Application of data science algorithms including K-NN, K-means clustering, linear regression
- Summarizing and presenting research literature review

Intern - Software Engineer/App Dev

Technuf 2023

Duties

- Completing various outsourced tasks relating to webdev, application development, and software development, all of which contributed to a selling product

Tennis - Assistant Coach

Howard County Parks and Rec 2021-2023

Duties

- Engaged with children ages 7-14 to teach them basic tennis skills
- Performed team building exercises with groups of children
- Supported Tennis summer camps and weekly classes
- Coordinated tennis activities with Head coach and other assistant coaches

COMMUNITY SERVICE

TechGirls

Member/Lead Tutor 2022-Present

Duties

- Tutoring/educating elementary-grade schoolers in a series of lectures and hands on activities relating to STEM

EXTRACURRICULAR ACTIVITIES

Red Cross

Member 2021-2022

Speech and Debate

Member 2021-2022